

## Peak District National Park

Forecast valid from 00:00 on Tuesday 02 May 2023 until 23:59 on Wednesday 03 May 2023

Forecast Issued on Monday 01 May 2023 at 13:48

**Confidence:** High confidence for settled conditions for the next couple of days, and then for a breakdown to more unsettled conditions later in the week. Low confidence in cloud details, and arrival of rain on Thursday.

**Headline for Tuesday 02 May 2023:** Cloudy, with some sunnier spells possible later on.

### Mountain weather hazards on Tuesday 02 May 2023

**Blizzards**  
No Likelihood

**Gales**  
No Likelihood

**Thunderstorms**  
No Likelihood

**Heavy persistent snow**  
No Likelihood

**Severe chill effect**  
No Likelihood

**Heavy persistent rain**  
No Likelihood

**Storm force winds**  
No Likelihood

**Poor visibility**  
No Likelihood

**Strong sunlight**  
No Likelihood

| Weather and chance of precipitation at 600m                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                     |                                                                                     |                                                                                     |                                                                                     | Time                                                                                |                                                                                       |                                                                                       |                                                                                       |
| 00:00                                                                               | 03:00                                                                               | 06:00                                                                               | 09:00                                                                               | 12:00                                                                               | 15:00                                                                                 | 18:00                                                                                 | 21:00                                                                                 |
|  |  |  |  |  |  |  |  |
| Mist                                                                                | Dull                                                                                | Dull                                                                                | Dull                                                                                | Dull                                                                                | Cloudy                                                                                | Cloudy                                                                                | Partly cloudy (night)                                                                 |
| Precipitation probability                                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
| 20%                                                                                 | 10%                                                                                 | 10%                                                                                 | 10%                                                                                 | 10%                                                                                 | <05%                                                                                  | <05%                                                                                  | <05%                                                                                  |

### Forecast for Tuesday 02 May 2023

**Weather:** Cloudy through the early hours, with some higher peaks seeing fog at times. An improving picture through the morning after a chilly start, with the lowest cloud layers lifting above peaks. Remaining fairly cloudy still, although a thinning of higher cloud through the afternoon will see some hazy sunshine filtering through at times. Possible breaks in cloud into the evening may see some late sunny spells. Staying dry.

**Chance of cloud-free hill tops above 600m:** 60% early, mainly eastern slopes. Becoming greater than 90% later

**Low cloud and visibility:** Extensive medium and high level cloud overnight, with occasional banks of lower cloud pushing in from the east and southeast with bases around 500m helping to shroud the highest peaks in fog. The lowest cloud lifts and breaks by the early afternoon, with upper cloud also beginning to thin. Generally good visibility to start, although falling to very poor in low cloud. Becoming very good through the afternoon as cloud lifts. Some excellent visibilities possible into the evening, especially if any sunny spells develop.

## Forecast for Tuesday 02 May 2023

| Height (m) | Wind Speed mean/gusts (mph) |         |         |          |         | Wind Direction (blowing from) |          |          |          |
|------------|-----------------------------|---------|---------|----------|---------|-------------------------------|----------|----------|----------|
|            | 00:00                       | 03:00   | 06:00   | 09:00    | 12:00   | 15:00                         | 18:00    | 21:00    | 00:00    |
| 600        | 10/14 NE                    | 10/14 E | 10/14 E | 10/14 SE | 8/13 SE | 8/12 S                        | 10/16 SE | 13/22 SE | 14/21 SE |
| 300        | 8/14 E                      | 7/13 E  | 6/12 E  | 7/12 SE  | 7/12 SE | 7/11 SE                       | 8/14 SE  | 10/21 SE | 10/20 SE |
| Valley     | 9/17 E                      | 8/16 E  | 9/15 E  | 7/12 SE  | 6/11 SE | 6/11 S                        | 7/14 SE  | 9/18 SE  | 8/18 SE  |

| Height (m)      | Temperature / Feels Like (°C) |       |       |       |       |       |       |       |       |
|-----------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 | 00:00                         | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| 600             | 4/0                           | 3/-0  | 3/-1  | 4/1   | 6/4   | 8/6   | 8/5   | 6/3   | 5/1   |
| 300             | 7/4                           | 6/4   | 6/4   | 7/5   | 9/8   | 11/10 | 11/9  | 8/6   | 6/3   |
| Valley          | 8/5                           | 7/4   | 7/4   | 8/7   | 11/9  | 13/12 | 12/11 | 9/7   | 7/4   |
| Freezing Level* | 1500m                         | 1500m | 1400m | 1400m | 1400m | 1500m | 1600m | 1600m | 1600m |

\*Level above which ground is expected to be frozen/snow is expected to settle.

### Meteorologist's View

Note early severe chill effect on higher slopes.

### Recent rainfall: measured at Cat & Fiddle: altitude 511m

| Recorded at              | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|--------------------------|----------------|----------------|----------------|
| 14:00 on Sun 30 Apr 2023 | 0.8mm          | 0.8mm          | 4.2mm          |

## Forecast for Wednesday 03 May 2023

**Weather:** Cloudy throughout much of Wednesday, although still a bright day with some hazy sunshine possibly filtering through at times. Some breaks in the cloud through the afternoon and evening likely to give a few sunny spells. Staying dry.

**Maximum wind:** Southeasterly 15-20mph, with gusts in the evening up to 30mph.

**Chance of cloud-free hill tops above 600m:** 90%

**Low cloud and visibility:** Extensive high cloud through much of the day. Generally very good visibility throughout, improving during the afternoon/evening in sunnier spells.

**Temperature:** **Valleys:** Plus 5 Celsius, rising to Plus 11 Celsius.

**At 600m:** Plus 3 Celsius, rising to Plus 8 Celsius.

**Freezing level:** Above summits.